

Name: Key Block: _____

Populations Unit Test: Chapters 8, 9, & 10 Review Sheet

Test Design: 24 Multiple Choice, 6 Matching, and 2 Essay Questions

Study: Symbiosis Notes, Population Notes, Human Population Notes, Biodiversity Notes, and Vocabulary

1. Define poaching.

illegal hunting

2. How is the population of prey impacted if there is an increase in the population of the predator?

decrease quickly

3. Define the 3 different symbiotic relationships and give an example of each one.

symbiosis, commensalism, mutualism

4. Explain the Endangered Species Act and what it protects.

punishes anyone who sells protected animals or plants

5. Define gene.

portion of DNA basic unit of heredity

6. What does exponential growth mean?

Rapid growth rate in population

7. What factors limit a population's growth rate?

carrying capacity, severe weather, natural disasters & human activities

8. Define infrastructure.

basic facilities of an area, such as roads, bridges & sewers

9. What must occur for a population's growth rate to be zero?

birth & death rate must be equal

10. Give some examples of organisms that have co-evolved.

bees & flowers, hawk moth & orchid

11. Name some ways humans impact extinction rates.

deforestation, pollution, poaching, introducing exotic/invasive species & habitat destruction

12. What factors contribute to organisms being in danger of extinction?

those with small pop. & those having niches dependent on specific factors in a habitat

13. Why do less developed countries have higher population growth rates?

less family planning & less infrastructure to support pop.

14. How does educating women help lower birthrates?

Working women are

15. What is a population pyramid?

graphs the distribution of ages & sexes in a pop -

16. What are the differences between endangered species and threatened species?

threatened - in danger of becoming endangered
endangered - in danger of becoming extinct

17. What is important about the role keystone species have?

is crucial to an ecosystem & survival of other species

18. Explain ways different countries have tried to address stabilizing population growth.

Invest in family planning Elevate women
Reduce poverty

19. What is the human population expected to look like in 2050?

Stabilize around 9 billion

20. Explain why it is important to protect biodiversity.

helps populations adapt to ecological changes

21. Define niche.

Specific function or position of a species within a community

22. What is carrying capacity and what factors impact it?

Largest pop that an env. can support

23. Define population density.

the number of individuals per unit area or volume

24. What do demographers study?

size & makeup of populations, and properties that affect population growth

25. What is replacement rate fertility? the amount a pair needs to replace themselves

26. When was the most rapid human population growth?

Modern Ages